chroma (C) respectively corresponding to a plurality of color images of a specific original, the Vcd reference color data items corresponding to the brightness (V), hue (H) and chroma (C) of the color image in a correction muncell color system representing color perception amounts of a human being;

reading means for reading a color image on an original containing a plurality of items of target color data;

segmenting means for segmenting a color image read by said reading means into a plurality of areas;

extracting means for extracting the plurality of items of target color data included in each of the plurality of areas segmented by said segmenting means, each of said plurality of items of target color data including red, green and blue components;

transforming means for transforming the plurality of items of target color data included in each of the plurality of areas extracted by said extracting means into a single color data including the red, green and blue components to form transformed target image data;

neural network means, for converting the single color data including the red, green and value components transformed by said transforming means into the Vcd color data items corresponding to the brightness (V), hue (H) and chroma (C) of the color image in the correction muncell color system representing the color perception of a human being;

comparing means for comparing the Vcd color data items of the brightness (v), hue (H) and chroma (C) converted by said neural networks means with reference color data items indicating the brightness (V), hue (H) and chroma (C) stored in said storing means;

identifying means for identifying the original read out by said reading means based on the result of comparison by said comparing means; and

outputting means for outputting a color image different from a color image on the specific original read by said reading means when the original read by said reading means is identified as the specific original in accordance with a result obtained by said identifying means.

**6.** An image input apparatus according to claim **5**, wherein said transforming means includes means for normalizing an image of the specified area extracted by said extracting means to an image of preset size to convert the image into area pixels indicating preset color data.

**7.** An image input apparatus according to claim **5**, wherein said transforming means includes means for deriving averaged data of the image of the specified area extracted by said extracting means with neighboring pixels multiplied by preset weight data to create an averaged image and converting the image into pixels indicating preset color data.

**8.** An image input apparatus according to claim **5**, wherein said identifying means includes collating means for deriving an accumulated value of color differences between color data output from said converting means and color data stored in said storing means for all of the pixels and collating them with each other.

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